DOCUMENT MODIFICATION REQUEST (DMR)

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Refer to 1-A01-PPG-001 for Processing Instructions
***Print or Type** All Information (Except Signatures)*

1 Date	25.
2/2/95	2/27/95 bm DMR No 95-DMR- 000102

2 Existing Document Number/Revision	3 New Document Number or Document Number if it is to be changed with this Revision
5-21000-OPS-FO 8/Rev 2	N/A
4 Originator's Name/Phone/Pager/Location	**5 Document Title**
N Elzinga/740-2740/WCFS Denver	Handling of Drilling Fluids and Cuttings

6 Document Type ☒ Procedure ☐ Other _____

7 Document Modification Type (Check only one) ☐ New ☐ Revision ☐ Intent Change ☒ Nonintent Change ☐ Editorial Correction ☐ Cancellation

8 Item	9 Page	10 Step	11 Proposed Modifications
1	7	6 1	Add a new second sentence at the end of the first sentence "Predrilling procedures will not be conducted for soil gas sampling using direct-push methods"
2	9	6 3	At the end of the first bullet add the following sentence "When direct-push methods are being used, monitor at ground level each time the direct-push rods are withdrawn"

ADMIN RECORD

12 Justification (Reason for Modification EJO # TP # etc.)

To clarify procedures for direct-push drilling methods, and to extend the expiration date of applicable DCN 5-21000-OPS-93 01

OU 2 Temporary Limited Scope Expires July 31, 1995

If modification is for a new procedure or a revision list concurring disciplines in Block 13 and enter N/A in Blocks 14 and 15 If modification is for any type of change or a cancellation organizations are listed in Block 13 then Concurror prints and signs in Block 14 and dates in Block 15

13 Organization	14 Print Sign (if applicable)	15 Date (if applicable)
SME	E A Keil & G YL	2/27/95
Proj Mgr	P J Laurin	2-23-95
QA	R Stephen Luker	2 21 95

16. Originator's Supervisor (print/sign/date) Peter J Laurin — No Training Required

17 Assigned SME/Phone/Pager/Location	18. Cost Center	19 Charge Number	20 Requested Completion Date	21 Effective Date
Edward A Keil/8642/4405/080	3112	989214		02-28-95

22 Accelerated Review? Yes ☐ No ☒ — 23.ORC Review NOT REQUIRED

24 Responsible Manager (print sign date) Peter J Laurin

RF-47940 (5/93)

DOCUMENT CLASSIFICATION REVIEW WAIVER PER CLASSIFICATION OFFICE

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REVIEWED FOR CLASSIFICATION / UCNI
BY _____
DATE _____

EG&G ROCKY FLATS PLANT	**Manual·**	**5-21000-OPS**
EMD MANUAL OPERATION SOP	**Procedure No.:**	**FO 8, Rev. 2**
	Page:	**1A of 12**
	Effective Date:	02-28-95
Category 2	**Organization:**	**Environmental Management**

LIST OF EFFECTIVE PAGES

Pages	Effective Date	Change Number
10-11	09/27/94	94-DMR-001650
7 & 9	02/28/95	95-DMR-000102

TOTAL NUMBER OF PAGES 17

The types of contamination that may be encountered within potentially contaminated work areas include the following

- Low-level radioactively contaminated substances
- Nonradioactive RCRA-regulated hazardous (hazardous) substances
- Mixed (low-level radioactive and hazardous substances)

6.1 PREDRILLING PROCEDURES

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Predrilling procedures will be conducted prior to drilling a well or boring regardless of the work area characterization Predrilling procedures will not be conducted for soil gas sampling using direct-push methods Predrilling procedures include the following

- Subcontracting personnel will conduct a radiological screening (see SOP FO 16, Field Radiological Measurements) of the ground surface prior to any drilling activity

- The surface soil around the staked boring or well location will be wetted with distilled water from a hand-pressurized spray bottle The wetting will be sufficient to preclude dust generation during the soil removal process

- The subcontractor personnel will use a shovel to remove a depth of approximately 8-inches of soil from an arc of sufficient size to allow for approximately 2 inches of clearance on each side of the auger The wet soil will be spread over the ground near the drilling site Drilling activities may now begin The shovel will be decontaminated between work areas

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- Monitor the borehole for organic vapors and radiological contaminants where the intrusive work is occurring The results of monitoring shall be recorded on Form FO 8A When hollow-stem augers are being used, monitor inside the auger each time the drive head is removed When solid-stem augers are being used, monitor the cuttings at ground level each time the auger is stopped When direct-push methods are being used, monitor at ground level each time the direct-push rods are withdrawn

- If the cuttings or core are wet, smears will be taken to monitor the presence of radioactive materials Document that a smear was taken and the smear number on Form FO 8A Smear results will be documented on Form 1 1B in the Environmental Management Radiological Guidelines (EMRGs), Manual No 3-21000-OPS-EMRG

- Single OVD or field radiological measurements greater than the background measurement may indicate the presence of hazardous or radioactive substances and must be verified as described in Subsection 6 3 1

- When an OVD or field radiological measurement above background is detected, all intrusive work will stop until the verification procedures are complete

6.3.1 Verified Positive Readings

The following verification procedures will be used after detecting an initial OVD or radiological measurement greater than the background measurement The verification process will be recorded on Form FO 8B, Verification of Organic Vapor Monitoring Results, and Form FO 16A, Results of Radiological Monitoring in the Field